

Ag. Waste Application and Excavated Ponds
Douglas County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ar: Arlo-----	85	Very limited Depth to saturated zone Filtering capacity Flooding	1.00 1.00 0.60	Very limited Cutbanks cave	1.00
Ax: Arlo-----	90	Very limited Depth to saturated zone Flooding Filtering capacity	1.00 1.00 1.00	Very limited Cutbanks cave	1.00
BaB: Beadle-----	85	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
BeE: Betts-----	45	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Ethan-----	35	Very limited Slope	1.00	Very limited Deep to water	1.00
Bn: Bon-----	85	Somewhat limited Flooding	0.60	Very limited Deep to water	1.00
Bo: Bon-----	85	Very limited Flooding	1.00	Very limited Cutbanks cave Deep to water	1.00 0.81
CeC: Clarno-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Ethan-----	30	Not limited		Very limited Deep to water	1.00
CnA: Clarno-----	45	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	20	Not limited		Very limited Deep to water	1.00
Prosper-----	15	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CnB: Clarno-----	40	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
Prosper-----	15	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CpA: Clarno-----	65	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Prosper-----	20	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CsA: Clarno-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Stickney-----	20	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.99 0.90 0.50 0.10
Prosper-----	15	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
DaB: Davis-----	85	Not limited		Very limited Deep to water	1.00
DbA: Degrey-----	55	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Walke-----	25	Very limited Sodium content Restricted permeability	1.00 0.89	Very limited Deep to water	1.00
DeA: Delmont-----	85	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.20	Very limited Deep to water	1.00
DlB: Delmont-----	55	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.20	Very limited Deep to water	1.00
Enet-----	30	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
DmC: Delmont-----	50	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.20	Very limited Deep to water	1.00
Talmo-----	30	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.83 0.45	Very limited Deep to water	1.00

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Do: Dimo-----	85	Very limited Filtering capacity Depth to saturated zone Flooding	1.00 0.95 0.60	Very limited Cutbanks cave Deep to water	1.00 0.02
EaA: Eakin-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	25	Not limited		Very limited Deep to water	1.00
EaB: Eakin-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	20	Not limited		Very limited Deep to water	1.00
EaC: Eakin-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
EdA: Enet-----	55	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Delmont-----	30	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.20	Very limited Deep to water	1.00
EtD: Ethan-----	50	Somewhat limited Slope	0.63	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Clarno-----	35	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
Fa: Farmsworth-----	80	Very limited Restricted permeability Sodium content Depth to saturated zone Salinity Runoff limitation	1.00 1.00 0.95 0.50 0.40	Very limited Slow refill Salty water Cutbanks cave Deep to water	1.00 0.50 0.10 0.02
HbA: Henkin-----	55	Not limited		Very limited Deep to water	1.00
Blendon-----	25	Not limited		Very limited Deep to water	1.00
HbB: Henkin-----	55	Not limited		Very limited Deep to water	1.00
Blendon-----	20	Not limited		Very limited Deep to water	1.00
HeA: Highmore-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Eakin-----	25	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HeB: Highmore-----	45	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Eakin-----	35	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HgA: Highmore-----	45	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Walke-----	35	Very limited Sodium content Restricted permeability	1.00 0.89	Very limited Deep to water	1.00
HhB: Homme-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HmB: Homme-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	25	Not limited		Very limited Deep to water	1.00
HnA: Homme-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Onita-----	25	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Hv: Hoven-----	85	Very limited Restricted permeability Depth to saturated zone Ponding Sodium content Salinity	1.00 1.00 1.00 1.00 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
La: Lane-----	80	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
M-W: Miscellaneous Water Area-----	100	Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Ma: Macken-----	85	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Very limited Slow refill Cutbanks cave	1.00 0.10
Na: Napa-----	80	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 0.98 0.60 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10
Oa: Onita-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
On: Onita-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Tetonka-----	30	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
Pg: Orthents, Gravelly--	100	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.95 0.45	Very limited Deep to water	1.00
Pt: Prosper-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Tetonka-----	25	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
TaC: Talmo-----	100	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.94 0.45	Very limited Deep to water	1.00
Te: Tetonka-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
W: Water (less Than 40 Acres)-----	100	Not rated		Not rated	
Wo: Worthing-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.95 0.10 0.01
Wp: Worthing-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.95 0.10 0.01

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